



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Robert Sackstein
Serial No. : 10/042,421
Filed : October 18, 2001
Title : HEMATOPOIETIC CELL E-SELECTIN/L-SELECTIN LIGAND
POLYPEPTIDES AND METHODS OF USE THEREOF

Art Unit : Unknown
Examiner : Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 12/4/03

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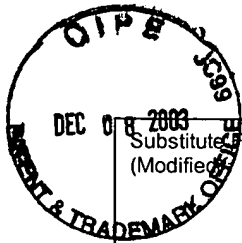
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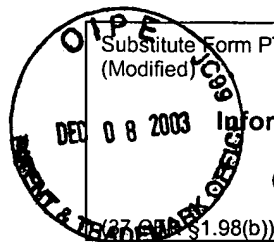
Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10286-014001	Application No. 10/042,421
	Applicant Robert Sackstein		
	Filing Date October 18, 2001	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Date Issued	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,849,898	12/15/1998	Seed et al.			06/07/1995
	AB						
	AC						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AD	WO 92/01049	01/23/1992	WIPO				
	AE							
	AF							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AG	Candal et al., "BMEC-1: A Human Bone Marrow Microvascular endothelial Cell Line with Primary Cell Characteristics," <i>Microvasc. Research</i> , 52:221-234 (1996)
	AH	DeLuca et al., "A Novel Cobra Venom Metalloproteinase, Mocarhagin, Cleaves a 10-Amino Acid Peptide from the Mature N Terminus of P-selectin Glycoprotein Ligand Receptor, PSGL-1, and Abolishes P-selectin Binding," <i>J. Biological Chem.</i> 270(45):26734-26737 (1995)
	AI	Dimitroff et al., "A distinct glycoform of CD44 is an L-selectin ligand on human hematopoietic cells," <i>PNAS</i> 97(25):13841-13846 (2000)
	AJ	Dougherty et al., "Molecular Cloning of CD44R1 and CD44R2, Two Novel Isoforms of the Human CD44 Lymphocyte 'Homing' Receptor Expressed by Hemopoietic Cells," <i>J. Exp. Med.</i> 174:1-5 (1991)
	AK	Finger et al., "Adhesion through L-selectin requires a threshold hydrodynamic shear," <i>Nature</i> 379:266-269 (1996)
	AL	Fuhlbrigge et al., "Cutaneous lymphocyte antigen is a specialized form of PSGL-1 expressed on skin-homing T cells," <i>Nature</i> 389:978-981 (1997)
	AM	Goelz et al., "Differential Expression of an E-selectin Ligand (Sle ^x) by Two Chinese Hamster Ovary Cell Lines Transfected with the Same $\alpha(1,3)$ -Fucosyltransferase Gene (ELFT)," <i>J. Biological Chem.</i> , 269(2):1033-1040 (1994)
	AN	Guyer et al., "P-Selectin Glycoprotein Ligand-1 (PSGL-1) Is a Ligand for L-Selectin in Neutrophil Aggregation," <i>Blood</i> 88(7):2415-2421 (1996)
	AO	Hale, L. and Haynes, B., "Bromelain Treatment of Human T Cells Removes CD44, CD45RA, E2/MIC2, CD6, CD7, CD8, and Leu 8/LAM1 Surface Molecules and Markedly Enhances CD2-Mediated T Cell Activation," <i>J. Immunol.</i> 149(12):3809-3816 (1992)
	AP	Jalkanen et al., "A lymphoid cell surface glycoprotein involved in endothelial cell recognition and lymphocyte homing in man," <i>Eur. J. Immunol.</i> 16:1195-1202 (1986)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10286-014001Application No.
10/042,421**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Robert SacksteinFiling Date
October 18, 2001

Group Art Unit

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Jalkanen et al., "Biochemical Properties of Glycoproteins Involved in Lymphocyte Recognition of High Endothelial Venules in Man," <i>J. Immunol.</i> 141(5):1615-1623 (1988)
	AR	Kugleman et al., "The Core Protein of Epican, a Heparan Sulfate Proteoglycan on Keratinocytes, Is an Alternative Form of CD44," <i>The Society for Investigative Dermatology, Inc.</i> , pp. 887-891 (1992)
	AS	Lawrence et al., "Effect of Flow on Polymorphonuclear Leukocyte/Endothelial Cell Adhesion," <i>Blood</i> 70(5):1284-1290 (1987)
	AT	Lawrence et al., "Threshold Levels of Fluid Shear Promote Leukocyte Adhesion through Selectins (CD62L,P,E)," <i>J. Cell Biol.</i> 136(3):717-727 (1999)
	AU	Oxley et al., "Detection of an L-Selectin Ligand on a Hematopoietic Progenitor Cell Line," <i>Blood</i> 84(10):3299-3306 (1994)
	AV	Ramos et al., "Functional Characterization of L-Selectin Ligands on Human Neutrophils and Leukemia Cell Lines: Evidence for Mucinlike Ligand Activity Distinct From P-Selectin Glycoprotein Ligand-1," <i>Blood</i> 91(3):1067-1075 (1998)
	AW	Sackstein et al., "Hematopoietic Cell L-Selectin Ligand Exhibits Sulfate-Independent Binding Activity," <i>Blood</i> 89(8):2773-2781 (1997)
	AX	Sackstein, R., and Dimitroff, C., "A hematopoietic cell L-selectin ligand that is distinct from PSGL-1 and displays N-glycan-dependent binding activity," <i>Blood</i> 96(8):2765-2774 (2000)
	AY	Sasaki et al., "Expression Cloning of a Novel Gal β (1-3/1-4)GlcNAc α 2,3-Sialyltransferase Using Lectin Resistance Selection," <i>J. Biol. Chem.</i> , 268(30):22782-22787 (1993)
	AZ	Snapp et al., "A Novel P-Selectin Glycoprotein Ligand-1 Monoclonal Antibody Recognizes an Epitope Within the Tyrosine Sulfate Motif of Human PSGL-1 and Blocks Recognition of Both P- and L-Selectin," <i>Blood</i> 91(1):154-164 (1998)
	AAA	Spertini et al., "P-Selectin Glycoprotein Ligand 1 Is a Ligand for L-Selectin on Neutrophils, Monocytes, and CD34+ Hematopoietic Progenitor Cells," <i>J. Cell Biol.</i> 135(2):523-531 (1996)
	ABB	Stamenkovic et al., "The hematopoietic and epithelial forms of CD44 are distinct polypeptides with different adhesion potentials for hyaluronate-bearing cells," <i>EMBO Journal</i> , 10(2):343-348 (1991)
	ACC	Tu et al., "L-Selectin Binds to P-Selectin Glycoprotein Ligand-1 on Leukocytes: Interactions Between the Lectin, Epidermal Growth Factor, and Consensus Repeat Domains of the Selectins Determine Ligand Binding Specificity," <i>J. Immunol.</i> 157(9):3995-4004 (1996)
	ADD	Vachino et al., "P-selectin Glycoprotein Ligand-1 Is the Major Counter-receptor for P-selectin on Stimulated T Cells and Is Widely Distributed in Non-functional Form on Many Lymphocytic Cells," <i>J. Biol. Chem.</i> 270(37):21966-21974 (1995)
	AEE	Zollner, O., and Vestweber, D., "The E-selectin Ligand-1 Is Selectively Activated in Chinese Hamster Ovary Cells by the α (1,3)-Fucosyltransferases IV and VII," <i>J. Biol. Chem.</i> 271(51):33002-33008 (1996)

Examiner Signature

Date Considered

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